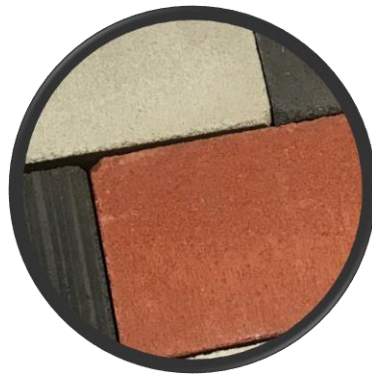




# *Pallet Tag Program Laboratory Report*

**Saturn Materials, LLC**  
Columbus, MS



*Project No. 1906-04 PTP*

***Prepared For:***



***Prepared By:***

*J. Lucas Comadoll*

J. Lucas Comadoll  
Project Testing Technician  
AMT Laboratories

October 2019



# LABORATORY REPORT

---

AMT Laboratories • 3741 Greenway Circle • Lawrence, Kansas 66046 • (888) 376-3600

---

**FOR:** Fred Dunand, Saturn Materials, LLC  
**cc:** Lance Escue  
James Holt, PROSOCO, Inc.  
Jake Boyer, PROSOCO, Inc.  
Al Morris, PROSOCO, Inc.

**SUBJECT:** Saturn Materials, LLC  
Columbus, MS  
Pallet Tag Evaluation

**DATE:** October 1, 2019  
**PROJECT:** 1906-04 PTP

**SAMPLES SUBMITTED:**

Sample	Name	Color	Size
(5) Concrete Facing Brick	"Rust"	Red	7.5" x 2.25" x 3.625"
(5) Concrete Facing Brick	"Ash"	Light Gray	7.5" x 2.25" x 3.625"
(5) Concrete Facing Bricks	"Ivory"	Light Gray	7.5" x 2.25" x 3.625"
(5) Concrete Facing Bricks	"Smooth Charcoal"	Black	7.5" x 2.25" x 3.625"
(5) Concrete Facing Bricks	"Striated Charcoal"	Black	7.5" x 2.25" x 3.625"
(5) Split Face Large Veneer	"Light Tan"	Buff	7.5" x 2.25" x 2"

**SUBMITTED BY:** Fred Dunand  
Saturn Materials, LLC  
350 Yorkville Park Square  
Columbus, MS 39702

---

**PURPOSE OF TEST:**

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for the submitted samples.
- To determine the most appropriate PROSOCO, Inc. water repellent(s) for the submitted samples.
- To determine the effectiveness of appropriate PROSOCO, Inc. products in preventing the penetration of, and simplifying the removal of, graffiti staining on the submitted samples.

**PRODUCTS EVALUATED:**

<b>New Construction Cleaning</b>	<b>Dilution:</b>
Enviro Klean® Safety Klean	1:2; 1:3
Sure Klean® Light Duty Concrete Cleaner	1:2; 1:3
Sure Klean® 101 Lime Solvent	1:6; 1:8

<b>Water Repellency</b>	<b>Dilution:</b>
Sure Klean® Weather Seal Siloxane WB Concentrate	1:9
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	N/A*

<b>Graffiti Resistance</b>	<b>Dilution:</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	N/A*

<b>Graffiti Removal</b>	<b>Dilution:</b>
Defacer Eraser® Graffiti Remover	N/A*
Enviro Klean® SafStrip® 8	N/A*

**\*NOTE:** Per the product data sheet instructions, only use the product in concentrate. Do not dilute.

## TEST METHODS: New Construction Cleaning

Enviro Klean® Safety Klean, Sure Klean® Light Duty Concrete Cleaner, and Sure Klean® 101 Lime Solvent were tested at various dilutions to determine the optimum cleaner/cure time combination for complete removal of laboratory applied Type N mortar from the submitted samples while limiting surface alterations. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the samples.

To simulate new construction soiling, the samples were placed on a bench with finished surface facing upward. Hollow cylinders measuring 50 mm in diameter and 75 mm tall were positioned on top of the samples and filled with a wet mixture of Type N cementitious mortar. The wet mortar-filled cylinder was allowed to remain in contact with the samples for 10 minutes before removal.

Heavy deposits of mortar were removed with dry scraping after 24 hours. Prepared cleaning solutions were then evaluated for their effectiveness in removing residual Type N mortar after 14 days of curing. A visual examination was also made to determine if the tested cleaners caused any surface alterations to the submitted samples based on the following:

**Surface Finish Removal** is the visual examination of the sample comparing the surface finish of the uncleaned surface to the surface finish cleaned with selected product(s) at given dilutions.

**Substrate Deterioration** is the visual examination of the sample comparing the uncleaned surface to surfaces cleaned with selected product(s) at given dilutions looking for any potential erosion/digestion of the sample.

**Color Change** is the visual examination comparing the color of the uncleaned surface to the color of surfaces cleaned with selected products at given dilutions.

**Staining** is the visual examination for changes that are the result of a chemical reaction that leaves a staining precipitate.

The following is the scale used for reporting results of both categories:

- 0 – **No change** compared to uncleaned surface
- 1 – **Slight change** compared to uncleaned surface
- 2 – **Moderate change** compared to uncleaned surface
- 3 – **Significant change** compared to uncleaned surface

### Cleaning Procedure:

1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet instructions.
2. Allow for an appropriate dwell time:
  - 101 Lime Solvent .....3 minutes
  - Light Duty Concrete Cleaner.....3 minutes
  - Safety Klean.....3 minutes
3. Reapply cleaning solution; do not let cleaner dry into sample.
4. Rinse thoroughly with plenty of fresh water.\*
5. Allow the sample to dry for at least 18 hours and visually examine.
6. Compare the uncleaned surfaces to the cleaned surfaces for the best match.

**\*Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45-degree fan spray tip was used for rinsing.

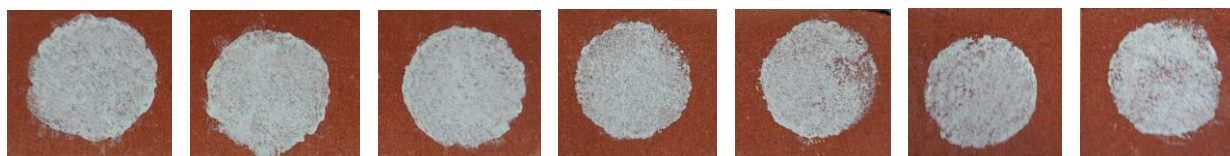
## TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

Scale used for reporting results of both categories:
0 – <b>No change</b> compared to uncleaned surface
1 – <b>Slight change</b> compared to uncleaned surface
2 – <b>Moderate change</b> compared to uncleaned surface
3 – <b>Significant change</b> compared to uncleaned surface

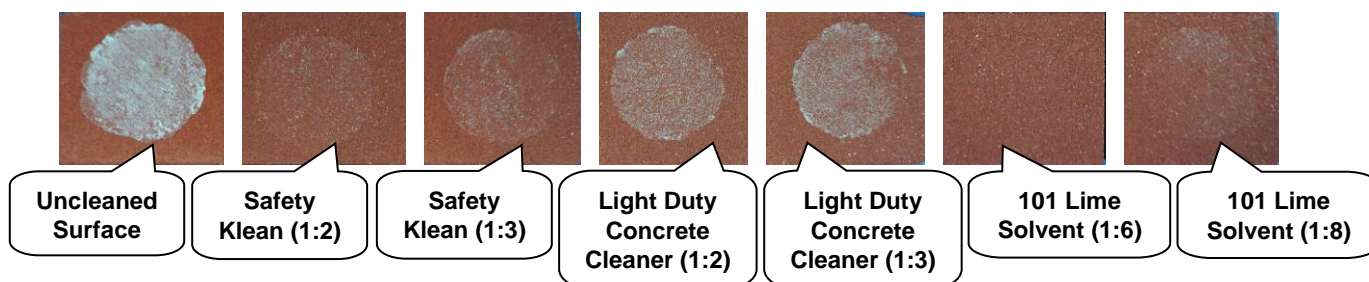
Name: "Rust" Concrete Facing Brick						
Product	Dilution	14 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Safety Klean	1:2	85%	0	2	0	0
Safety Klean	1:3	75%	0	1*	0	0
Light Duty Concrete Cleaner	1:2	60%	0	2	0	0
Light Duty Concrete Cleaner	1:3	50%	0	1	0	0
101 Lime Solvent	1:6	98%	0	2	0	0
101 Lime Solvent	1:8	90%	0	1	0	0

\*NOTE: Very slight change compared to uncleaned surface.

### "Rust" Concrete Facing Brick Before Cleaning



### "Rust" Concrete Facing Brick After Cleaning



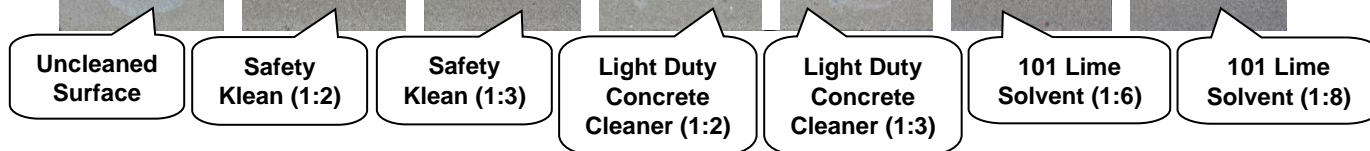
**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)**

Name: "Ash" Concrete Facing Brick						
Product	Dilution	14 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Safety Klean	1:2	95%	0	1	0	0
Safety Klean	1:3	80%	0	1	0	0
Light Duty Concrete Cleaner	1:2	70%	0	1	0	0
Light Duty Concrete Cleaner	1:3	50%	0	1	0	0
101 Lime Solvent	1:6	98%	0	1	0	0
101 Lime Solvent	1:8	95%	0	1	0	0

**"Ash" Concrete Facing Brick Before Cleaning**



**"Ash" Concrete Facing Brick After Cleaning**



**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)**

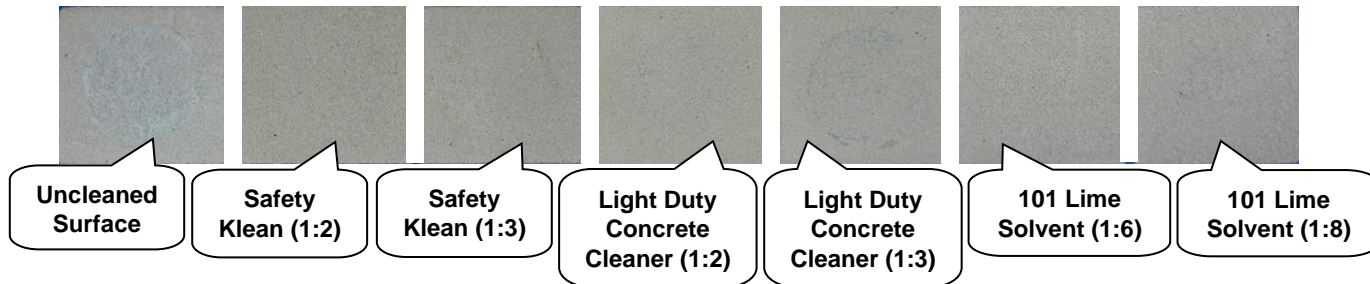
Name: "Ivory" Concrete Facing Brick						
Product	Dilution	14 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Safety Klean	1:2	100%	0	1	0	0
Safety Klean	1:3	80%	0	1*	0	0
Light Duty Concrete Cleaner	1:2	70%	0	1	0	0
Light Duty Concrete Cleaner	1:3	50%	0	1*	0	0
101 Lime Solvent	1:6	100%	0	1	0	0
101 Lime Solvent	1:8	90%	0	1	0	0

**\*NOTE: Very slight change compared to uncleaned surface.**

**"Ivory" Concrete Facing Brick Before Cleaning**



**"Ivory" Concrete Facing Brick After Cleaning**



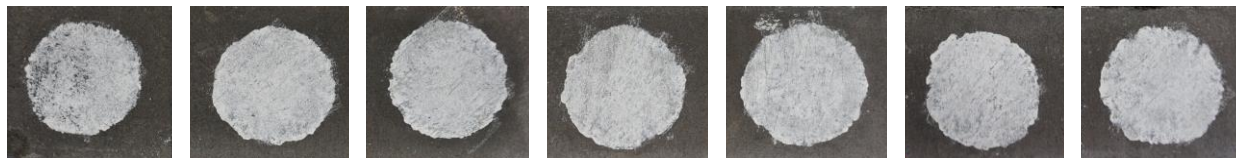


**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)**

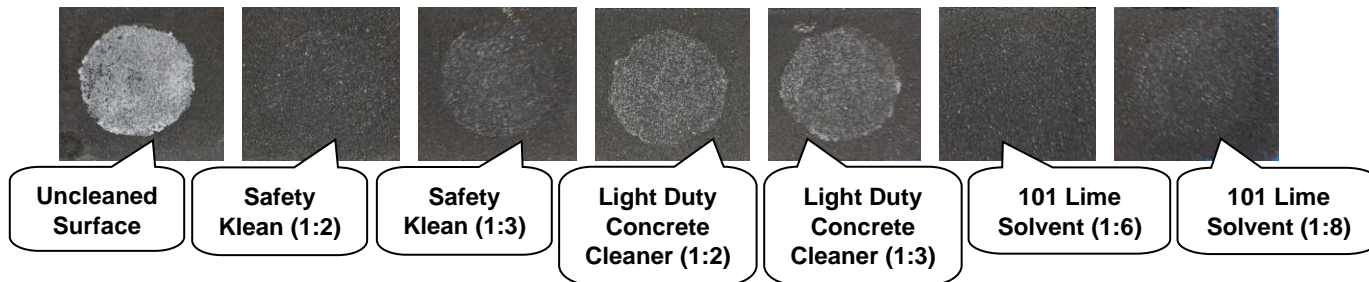
Name: "Smooth Charcoal" Concrete Facing Brick						
Product	Dilution	14 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Safety Klean	1:2	90%	0	2	0	0
Safety Klean	1:3	80%	0	1*	0	0
Light Duty Concrete Cleaner	1:2	65%	0	2	0	0
Light Duty Concrete Cleaner	1:3	60%	0	1	0	0
101 Lime Solvent	1:6	98%	0	2	0	0
101 Lime Solvent	1:8	90%	0	1	0	0

**\*NOTE: Very slight change compared to uncleaned surface.**

**"Smooth Charcoal" Concrete Facing Brick Before Cleaning**



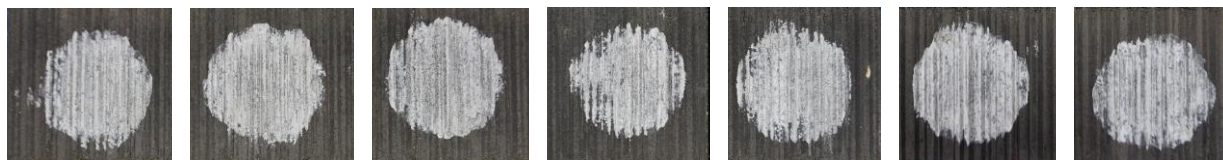
**"Smooth Charcoal" Concrete Facing Brick After Cleaning**



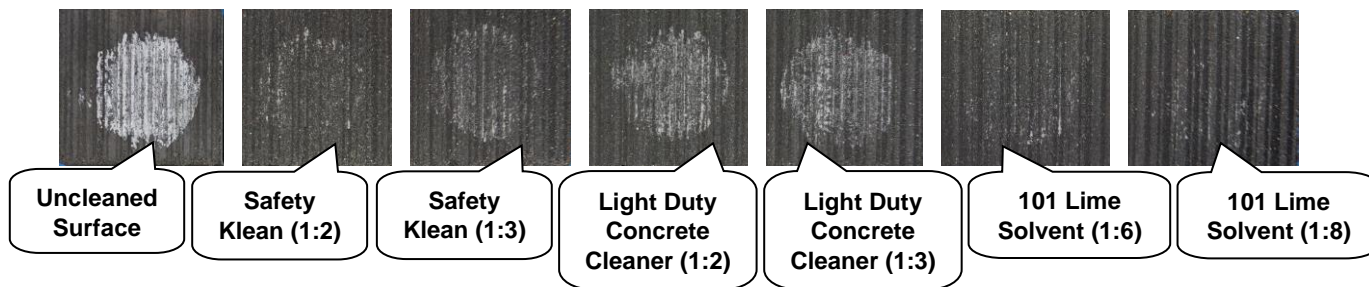
**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)**

Name: "Striated Charcoal" Concrete Facing Brick						
Product	Dilution	14 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Safety Klean	1:2	70%	0	1	0	0
Safety Klean	1:3	60%	0	1	0	0
Light Duty Concrete Cleaner	1:2	50%	0	1	0	0
Light Duty Concrete Cleaner	1:3	50%	0	1	0	0
101 Lime Solvent	1:6	90%	0	1	0	0
101 Lime Solvent	1:8	80%	0	1	0	0

**"Striated Charcoal" Concrete Facing Brick Before Cleaning**



**"Striated Charcoal" Concrete Facing Brick After Cleaning**



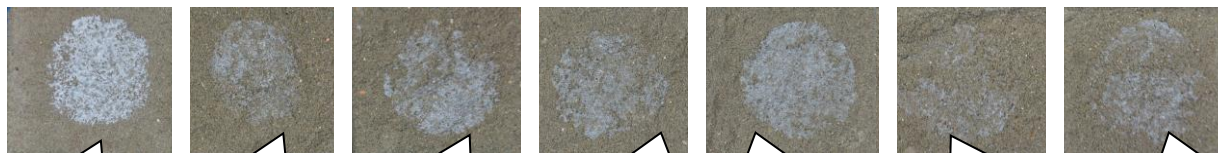
**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)**

Name: "Light Tan" Split Face Large Veneer						
Product	Dilution	14 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Safety Klean	1:2	60%	0	1	0	0
Safety Klean	1:3	30%	0	1	0	0
Light Duty Concrete Cleaner	1:2	40%	0	1	0	0
Light Duty Concrete Cleaner	1:3	20%	0	1	0	0
101 Lime Solvent	1:6	70%	0	1	0	0
101 Lime Solvent	1:8	60%	0	1	0	0

**"Light Tan" Split Face Large Veneer Before Cleaning**



**"Light Tan" Split Face Large Veneer After Cleaning**



Uncleaned Surface

Safety Klean (1:2)

Safety Klean (1:3)

Light Duty Concrete Cleaner (1:2)

Light Duty Concrete Cleaner (1:3)

101 Lime Solvent (1:6)

101 Lime Solvent (1:8)

## CONCLUSIONS – New Construction Cleaning

In the cleaning tests conducted, both dilutions of Sure Klean® 101 Lime Solvent removed the most mortar from the surface of the samples, followed by Enviro Klean® Safety Klean.

Enviro Klean® Safety Klean, Sure Klean® Light Duty Concrete Cleaner, and Sure Klean® 101 Lime Solvent caused very slight to moderate substrate deterioration depending on the sample, cleaner, and dilution used.

When choosing the most appropriate product for the desired result, use Enviro Klean® Safety Klean as an effective, safe alternative to acidic cleaning compounds. Use Sure Klean® Light Duty Concrete Cleaner when removing common construction stains, efflorescence, and metallic staining. Use Sure Klean® 101 Lime Solvent for dark-colored brick surfaces not subject to metallic oxidation.

It is recommended that the selected cleaners always be used in the lowest possible concentration.

## RECOMMENDATIONS: New Construction Cleaning

Recommendations for cleaning for each concrete brick and split face veneer submitted by Saturn Materials, LLC, Columbus, MS are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the uncleaned surface.

Sample	New Construction Cleaning
"Rust" Concrete Facing Brick	Enviro Klean® Safety Klean (1:3) OR Sure Klean® 101 Lime Solvent (1:8)
"Ash" Concrete Facing Brick	Enviro Klean® Safety Klean (1:2) or (1:3) OR Sure Klean® 101 Lime Solvent (1:6) or (1:8)
"Ivory" Concrete Facing Brick	
"Smooth Charcoal" Concrete Facing Brick	Enviro Klean® Safety Klean (1:3) OR Sure Klean® 101 Lime Solvent (1:8)
"Striated Charcoal" Concrete Facing Brick	Sure Klean® 101 Lime Solvent (1:6) or (1:8)
"Light Tan" Split Face Large Veneer	Enviro Klean® Safety Klean (1:2) OR Sure Klean® 101 Lime Solvent (1:6) or (1:8)

The most appropriate cleaner and dilution should be determined on the specific job-site, and will be dependent primarily on the nature and severity of soiling present at that location.

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. On-site testing should be conducted to determine the most appropriate cleaning product and procedures for a particular project. See product literature for additional application and product information.

## SAMPLE PREPARATION: Treatment Application

Prior to treatment application, the submitted samples were rinsed using masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45-degree fan spray tip. After the samples were allowed to dry for at least 24 hours, the treatments were applied in a single brushing application in accordance with the current PROSOCO, Inc. Product Data Sheet instructions.

## TEST METHODS: Protective Water Repellents

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

The water absorption tube test simulating wind driven rain conditions was performed on the submitted samples. Tests were run with 5.0-milliliter head pressures. Filled to 5.0 milliliters, a water absorption tube produces a 98-mph dynamic wind pressure. See RILEM II.4 Tech Note for additional information.

The ranking system used to evaluate the effectiveness of the products applied to each submitted sample is as follows:

**AA** = "Above Average" correlates to less than or equal to 20% of the maximum untreated absorption.

**A** = "Average" correlates to less than or equal to 50% of the maximum untreated absorption.

**BA** = "Below Average" correlates to greater than 50% of the maximum untreated absorption.

**EXAMPLE:** If RILEM tubes applied to an untreated sample result in loss of 5.0 ml of water or more, then:

A rating of **AA** *Above Average* water repellent performance would be reported for treatments which result in a loss of no more than:

$$5.0 \text{ mL} \times 20\% = \mathbf{1.0 \text{ mL}}$$

A rating of **A** *Average* water repellent performance would be reported for treatments which result in a loss of no more than:

$$5.0 \text{ mL} \times 50\% = \mathbf{2.5 \text{ mL}}$$

A rating of **BA** *Below Average* water repellent performance would be reported for treatments which result in a loss of more than:

$$5.0 \text{ mL} \times 50\% = \mathbf{2.5 \text{ mL}}$$





## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average    A = Average

BA = Below Average

"Rust" Concrete Facing Brick	Results in mL loss	Ranking
Untreated Control	-2.0	--
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>

### "Rust" Concrete Facing Brick With Treatments

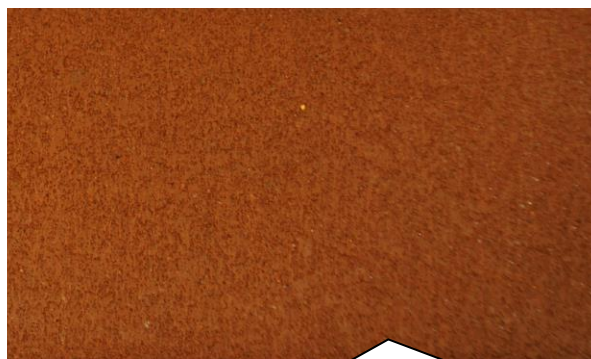
Untreated Control



Siloxane WB (1:9)



Blok-Guard & Graffiti Control



Blok-Guard & Graffiti Control II

## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

**AA** = Above Average    **A** = Average

**BA** = Below Average

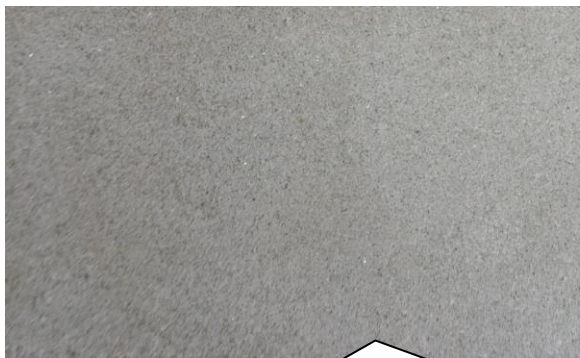
"Ash" Concrete Facing Brick	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<b><u>AA</u></b>

### "Ash" Concrete Facing Brick With Treatments

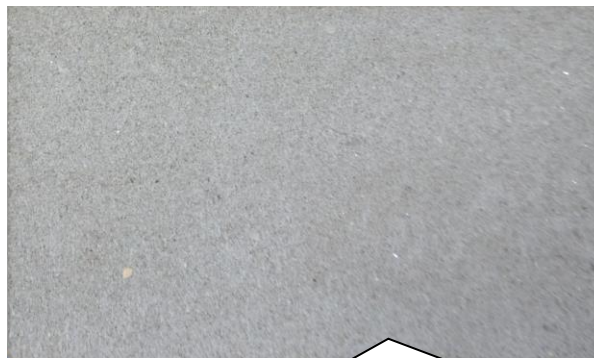
Untreated Control



Siloxane WB (1:9)



Blok-Guard & Graffiti Control



Blok-Guard & Graffiti Control II

## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

**AA** = Above Average    **A** = Average

**BA** = Below Average

"Ivory" Concrete Facing Brick	Results in mL loss	Ranking
Untreated Control	-0.3	--
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.1	<b>A</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b>AA</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<b>AA</b>

### "Ivory" Concrete Facing Brick With Treatments

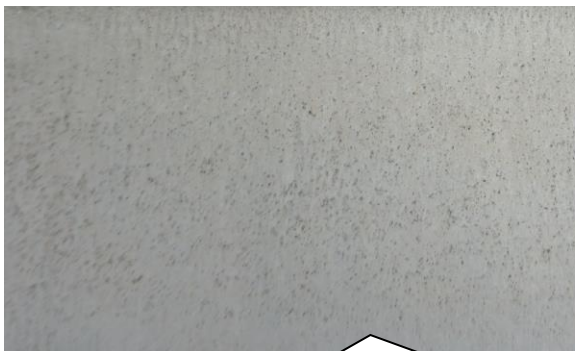
Untreated Control



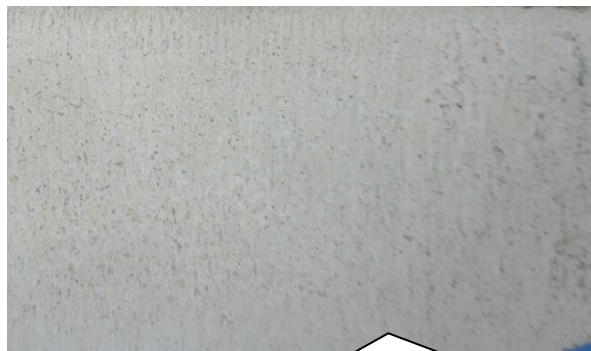
Siloxane WB (1:9)



Blok-Guard & Graffiti Control



Blok-Guard & Graffiti Control II





## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average    A = Average

BA = Below Average

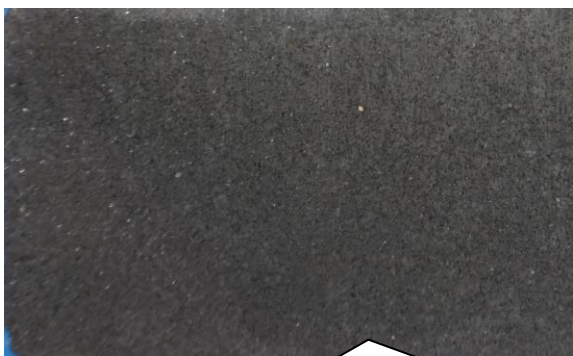
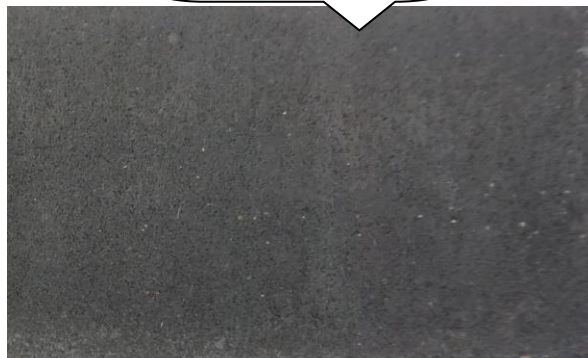
"Smooth Charcoal" Concrete Facing Brick	Results in mL loss	Ranking
Untreated Control	-1.1	--
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>

### "Smooth Charcoal" Concrete Facing Brick With Treatments

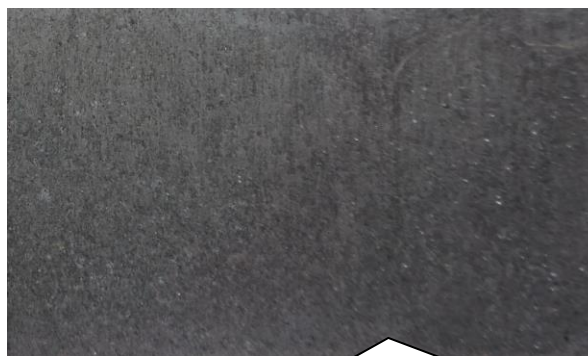
Untreated Control



Siloxane WB (1:9)



Blok-Guard & Graffiti Control



Blok-Guard & Graffiti Control II

## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average    A = Average

BA = Below Average

"Striated Charcoal" Concrete Facing Brick	Results in mL loss	Ranking
Untreated Control	-0.5	--
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.1	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>

### "Striated Charcoal" Concrete Facing Brick With Treatments

Untreated Control



Siloxane WB (1:9)



Blok-Guard & Graffiti Control



Blok-Guard & Graffiti Control II

## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

### Water Absorption Tube Test: Vertical RILEM II.4, 5.0 milliliters, 20 minutes

**AA** = Above Average    **A** = Average

**BA** = Below Average

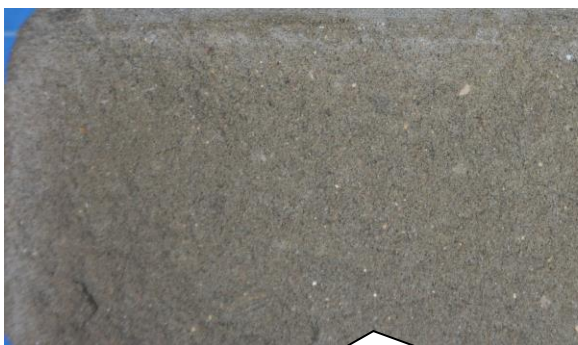
"Light Tan" Split Face Large Veneer	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<b><u>AA</u></b>

### "Light Tan" Split Face Large Veneer With Treatments

Untreated Control



Siloxane WB (1:9)



Blok-Guard & Graffiti Control



Blok-Guard & Graffiti Control II

## CONCLUSIONS: Protective Water Repellents

Based on the laboratory evaluations, all of the treatments provided good water repellent protection to the submitted samples.

Sure Klean® Weather Seal Siloxane WB Concentrate diluted with nine parts water did not cause any change to the appearance of the submitted samples.

Sure Klean® Weather Seal Blok-Guard® & Graffiti Control and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II provided very slight to slight color enhancement to the samples. A test area is always recommended to ensure the desired result.

## RECOMMENDATIONS: Water Repellency

Recommendations for water repellency for each concrete brick and split face veneer submitted by Saturn Materials, LLC, Columbus, MS are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Rust" Concrete Facing Brick	Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II
"Ash" Concrete Facing Brick	
"Ivory" Concrete Facing Brick	
"Smooth Charcoal" Concrete Facing Brick	
"Striated Charcoal" Concrete Facing Brick	
"Light Tan" Split Face Large Veneer	

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. On-site testing should be conducted to determine the most treatment and procedures for a particular project. See product literature for additional application and product information.

---

## TEST METHODS: Graffiti Resistance

This evaluation compares the effectiveness of graffiti control treatments in preventing staining of enamel spray paint and permanent markers.

Spray paint and markers were applied as graffiti agents to the untreated and treated surfaces five days after application of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Enviro Klean® SafStrip® 8 and Defacer Eraser® Graffiti Remover.

Chemical cleaners were evaluated using the following procedure:

1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
  - SafStrip® 8..... 30 minutes
  - Graffiti Remover ..... 5 minutes
3. Rinse thoroughly until water runs clear. \*
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

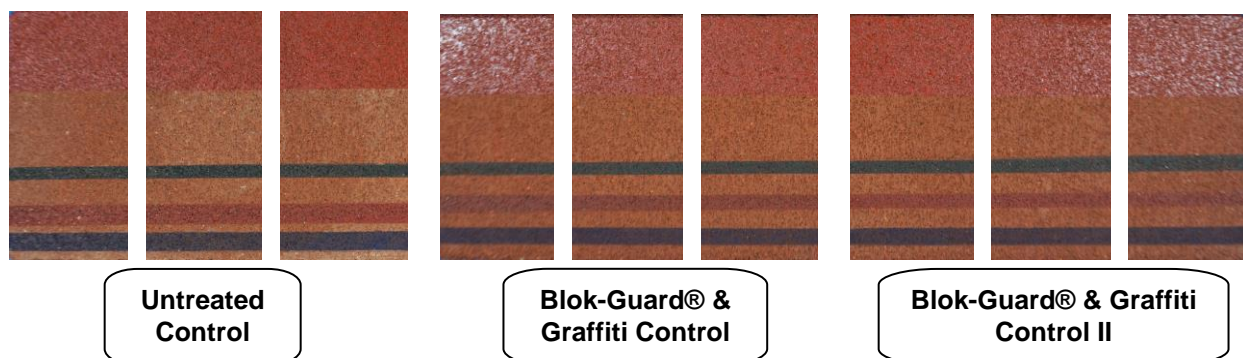
**\*Pressure Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45-degree fan spray tip was used for rinsing.



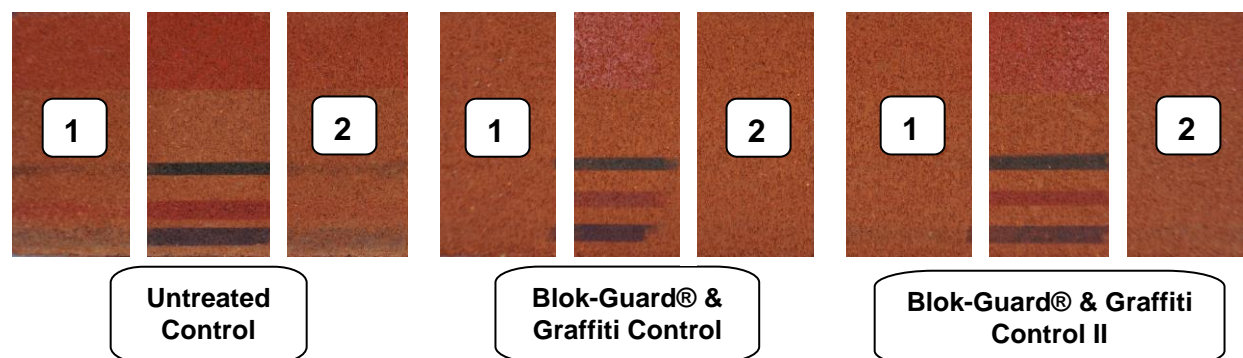
## TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance

"Rust" Concrete Facing Brick					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	50%	70%	60%	70%	63%
Graffiti Remover	60%	80%	80%	80%	75%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	90%	100%	98%	100%	97%
Graffiti Remover	95%	100%	98%	100%	98%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	98%	98%	98%	94%
Graffiti Remover	80%	98%	98%	98%	94%

### "Rust" Concrete Facing Brick With Graffiti



### "Rust" Concrete Facing Brick After Graffiti Testing



**KEY**  
1 = SafStrip® 8  
2 = Graffiti Remover

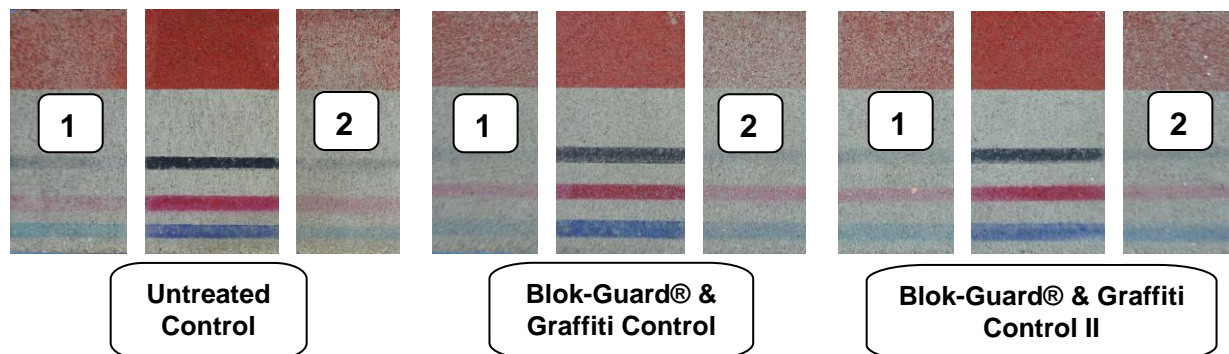
**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>“Ash” Concrete Facing Brick</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	50%	70%	60%	60%	<b>60%</b>
Graffiti Remover	70%	70%	70%	70%	<b>70%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	60%	90%	70%	80%	<b>75%</b>
Graffiti Remover	80%	90%	70%	80%	<b>80%</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	60%	80%	80%	80%	<b>75%</b>
Graffiti Remover	60%	80%	60%	80%	<b>70%</b>

**“Ash” Concrete Facing Brick With Graffiti**



**“Ash” Concrete Facing Brick After Graffiti Testing**



**KEY**  
1 = SafStrip® 8  
2 = Graffiti Remover

**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>"Ivory" Concrete Facing Brick</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	50%	70%	60%	60%	<b>60%</b>
Graffiti Remover	60%	70%	70%	70%	<b>68%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	80%	90%	70%	80%	<b>80%</b>
Graffiti Remover	90%	90%	70%	80%	<b>83%</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	60%	90%	80%	80%	<b>78%</b>
Graffiti Remover	70%	80%	60%	80%	<b>73%</b>

**"Ivory" Concrete Facing Brick With Graffiti**



**"Ivory" Concrete Facing Brick After Graffiti Testing**



**KEY**  
1 = SafStrip® 8  
2 = Graffiti Remover



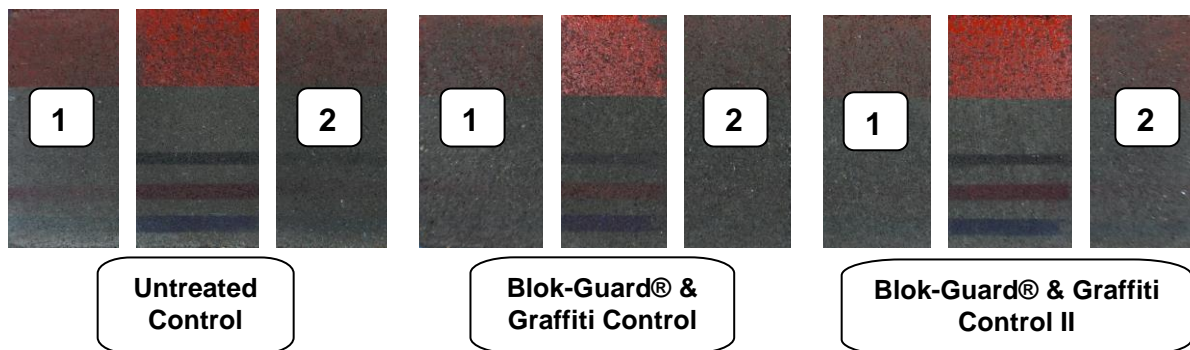
**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>“Smooth Charcoal” Concrete Facing Brick</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	60%	100%	80%	90%	<b>83%</b>
Graffiti Remover	70%	90%	90%	90%	<b>85%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	80%	100%	90%	98%	<b>92%</b>
Graffiti Remover	90%	100%	95%	100%	<b>96%</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	70%	100%	90%	90%	<b>88%</b>
Graffiti Remover	70%	100%	90%	90%	<b>88%</b>

**“Smooth Charcoal” Concrete Facing Brick With Graffiti**



**“Smooth Charcoal” Concrete Facing Brick After Graffiti Testing**

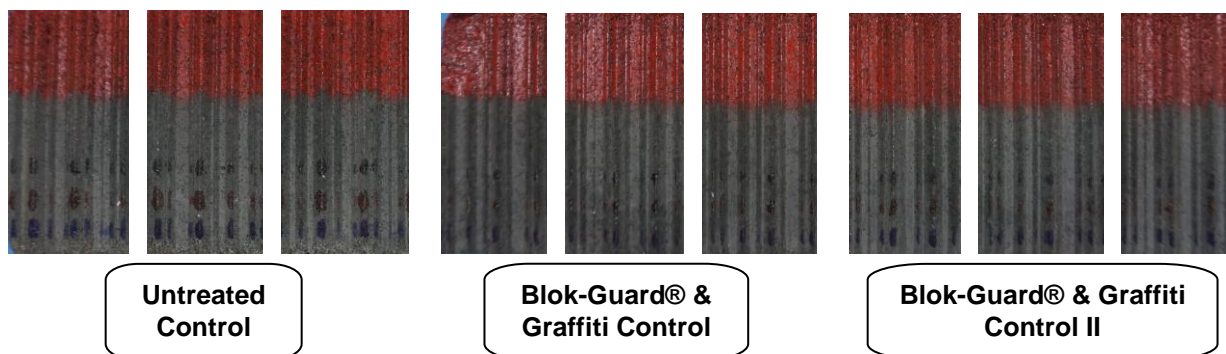


**KEY**  
1 = SafStrip® 8  
2 = Graffiti Remover

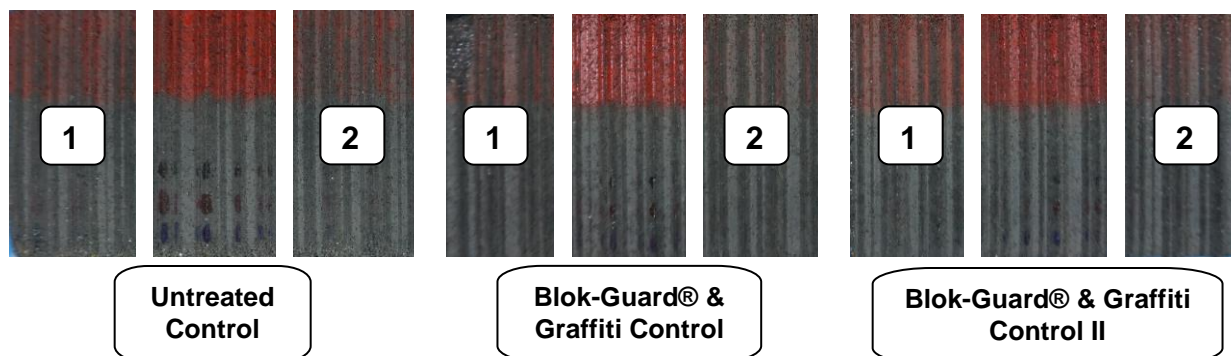
**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>“Striated Charcoal” Concrete Facing Brick</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	60%	95%	90%	95%	<b>85%</b>
Graffiti Remover	60%	95%	90%	95%	<b>85%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	70%	100%	100%	100%	<b>93%</b>
Graffiti Remover	80%	100%	100%	100%	<b>95%</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	50%	100%	95%	98%	<b>86%</b>
Graffiti Remover	60%	100%	100%	100%	<b>90%</b>

**“Striated Charcoal” Concrete Facing Brick With Graffiti**



**“Striated Charcoal” Concrete Facing Brick After Graffiti Testing**

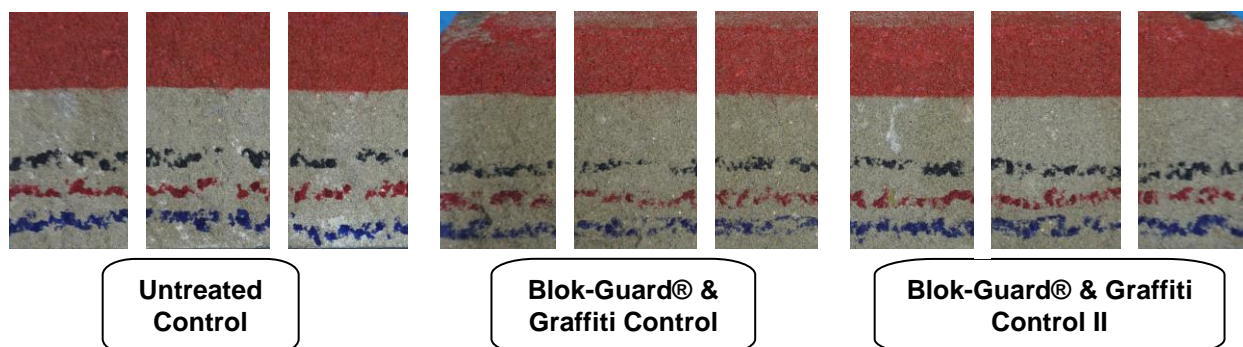


**KEY**  
1 = SafStrip® 8  
2 = Graffiti Remover

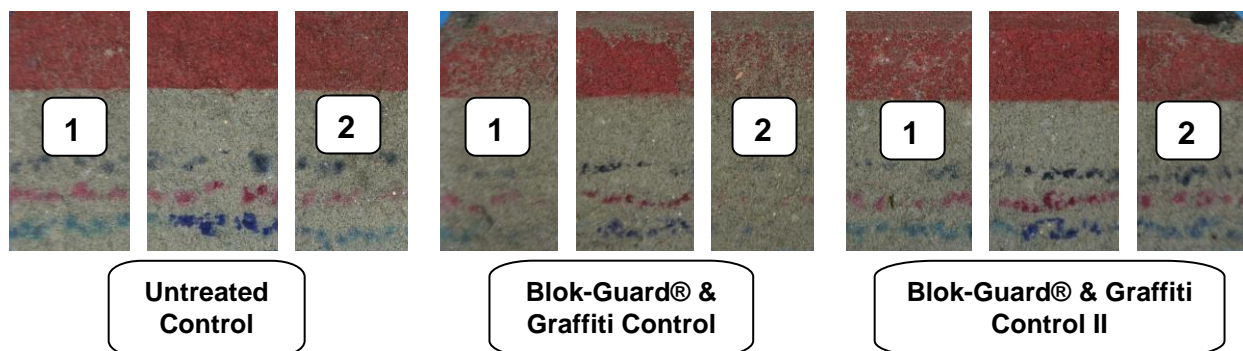
**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>"Light Tan" Split Face Large Veneer</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	20%	40%	40%	40%	<b>35%</b>
Graffiti Remover	10%	50%	50%	50%	<b>40%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	60%	80%	70%	70%	<b>70%</b>
Graffiti Remover	70%	90%	90%	90%	<b>85%</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>% Avg. Removal</b>
SafStrip® 8	30%	80%	50%	50%	<b>53%</b>
Graffiti Remover	20%	50%	40%	50%	<b>40%</b>

**"Light Tan" Split Face Large Veneer With Graffiti**



**"Light Tan" Split Face Large Veneer After Graffiti Testing**



**KEY**  
1 = SafStrip® 8  
2 = Graffiti Remover

---

## **CONCLUSIONS: Graffiti Resistance**

Based on the laboratory evaluations, graffiti removal was improved when the submitted samples were treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II, although Sure Klean® Weather Seal Blok-Guard® & Graffiti Control was the most effective treatment on the samples.

Enviro Klean® SafStrip® 8 and Defacer Eraser® Graffiti Remover were both effective when removing graffiti from the submitted samples.

## RECOMMENDATIONS: Graffiti Control

Recommendations for graffiti control for each concrete brick and split face veneer submitted by Saturn Materials, LLC, Columbus, MS are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective on average for providing graffiti repellency and the product that was most effective on average at removing the graffiti on all types submitted.

Sample	Graffiti Repellents	Graffiti Removers
"Rust" Concrete Facing Brick	<sup>1</sup> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR <sup>2</sup> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Enviro Klean® SafStrip® 8 OR Defacer Eraser® Graffiti Remover
"Ash" Concrete Facing Brick		
"Ivory" Concrete Facing Brick		
"Smooth Charcoal" Concrete Facing Brick		
"Striated Charcoal" Concrete Facing Brick		
"Light Tan" Split Face Large Veneer		

NOTE: "1" indicates the most effective product and "2" indicates the second most effective product.

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. Because the severity of graffiti varies from location to location, on-site testing should be conducted to determine the most appropriate graffiti control product and procedure for a particular project.



J. Lucas Comadoll  
Project Testing Technician

**ALL SAMPLES SUPPLIED FOR THE ABOVE EVALUATION WILL BE DISPOSED OF THIRTY (30) DAYS AFTER THE ISSUE DATE OF THIS REPORT. IF SAMPLES ARE TO BE RETAINED FOR ADDITIONAL TESTING OR RETURNED TO THE SENDER, PROVIDE WRITTEN INSTRUCTIONS TO THE LABORATORY WITHIN THIRTY (30) DAYS OF THE ISSUE DATE OF THIS REPORT.**

Recommendations made within this report are based on laboratory test applications and observations. Final determination of the suitability of a product and/or procedure should be made only after thorough job testing on actual surfaces.